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DATE MAILED: 02/21/2006

APPLICATION NO. FILING DATE		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/773,886 02/06/2004		Bruno Ullrich	BOW1335-046A	7466		
45684	7590	02/21/2006		EXAMINER		
ROGER A.		ST	PHAM, THANHHA S			
250 WEST S COLUMBU		3216-7513	ART UNIT	PAPER NUMBER		
,				2813		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)					
Office Action Summary			36	ULRICH ET AL					
			-	Art Unit					
		Thanhha		2813					
The Period for Rep	MAILING DATE of this communica ly	tion appears on the	e cover sheet with the c	orrespondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)⊠ Resp	onsive to communication(s) filed o	on <u>06 December 2</u>	<u>005</u> .						
2a)☐ This a									
3)☐ Since									
close	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of	Claims								
4)⊠ Claim	Claim(s) <u>1-59</u> is/are pending in the application.								
4a) Ot	4a) Of the above claim(s) <u>34-59</u> is/are withdrawn from consideration.								
·	Claim(s) is/are allowed.								
•	Claim(s) is/are rejected.								
·	Claim(s) is/are objected to.								
8) 🖂 Claim	(s) <u>1-33</u> are subject to restriction	and/or election rec	juirement.						
Application Pa	pers								
,	pecification is objected to by the E								
<i>,</i> —	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
•	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
ii) ine o	ath of declaration is objected to by	y the Examiner. No	ole the attached Office	Action of form P	10-132.				
Priority under	35 U.S.C. § 119								
a)□ All	wledgment is made of a claim for b) ☐ Some * c) ☐ None of:			-(d) or (f).					
1.∟. 2.□	Certified copies of the priority do Certified copies of the priority do			on No					
3.□	Copies of the certified copies of t				Stage				
٠.۵	application from the International	•							
* See the	e attached detailed Office action for	•	* * * *	d.					
	•								
Attachment(s)									
	erences Cited (PTO-892)		4) Interview Summary						
3) Information [	ftsperson's Patent Drawing Review (PTO- Disclosure Statement(s) (PTO-1449 or PTO Mail Date	·	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		O-152)				

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## **DETAILED ACTION**

## Election/Restrictions

- 1. Claims 34-59 are withdrawn from further consideration pursuant to 37 CFR
- 1.142(b) as being drawn to nonelected inventions. Election was made **without** traverse in the reply filed on 12/06/2005.
- 2. Applicant's election without traverse of claims 1-33 in the reply filed on 12/06/2005 is acknowledged.
- 3. The method invention of claims 1-33 of this application contains claims directed to the following patentably distinct species of the claimed invention. One item from each of the following letter groups A-C must be elected.
  - A. position of said target substrate and said substrate surface
    - A-1. said target surface and said substrate surface are substantially parallel alignent.
    - A-2. said target surface and said substrate surface are disposed to angle to one another.
  - B. said target surface
    - B-1. said gallium arsenide is non-doped
    - B-2. said gallium arsenide is n-doped
    - B-3. said gallium arsenide is p-doped
  - C. said substrate surface
    - C-1. substantially pure silicon

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C-2. silicon is n-doped

C-3. silicon is p-doped

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

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4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanhha Pham whose telephone number is (571) 272-1696. The examiner can normally be reached on Monday and Thursday 9:00AM - 9:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thanhha Pham Patent Examiner

Patent Examining Group 2800